

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **09258176 A**

(43) Date of publication of application: **03.10.1997**

(51) Int. Cl **G02F 1/1333**

(21) Application number: **08066873**
(22) Date of filing: **22.03.1996**

(71) Applicant: **SHARP CORP**
(72) Inventor: **YAMAGISHI SHINJI
FUJIMORI KOICHI**

(54) CURVED SURFACE PANEL AND ITS PRODUCTION

(57) Abstract:

PROBLEM TO BE SOLVED: To make it possible to uniformly maintain a cell gap and to assure panel strength even when a curved surface panel is made to be a large screen and to have a large curvature.

SOLUTION: The curved surface panel 20 is constituted by holding a display medium in the state of enclosing liquid crystal regions 6 with high-polymer walls 7 between circuit surface substrates 1 disposed to face each other. Band-shaped transparent electrodes 2 are formed on both of the display medium side surfaces of the curved surface substrates 1. The transparent electrodes 2 on one side intersect with the transparent electrodes 2 on the other side. Electrical insulating films 3 and oriented films 4 are formed on the curved

surface substrates 1 having the transparent electrodes 2. The opposite parts of the transparent electrodes 2 are picture element parts 12 and the non-opposite parts are non-picture element parts 13. The liquid crystal regions 6 exist in the picture element parts 12 and the high-polymer walls 7 exist in the non-picture element parts 13. The peripheral edges between the substrates 1 are provided with sealing materials 9.

COPYRIGHT: (C)1997,JPO

